

Curriculum Mapping for South Dakota Essential Core Standards

Grade 4 Math – Number Sense

X = Not taught
I = Introduced
R = Reinforced
P = Proficient/practiced

Indicator 1: Analyze the structural characteristics of the real number system and its various subsystems.			
Standard	Curriculum Map (X, I, R, P)	Resources	Actions Needed
1.demonstrate that the value of a fraction is not changed when the numerator and denominator are multiplied by the same number.			
Indicator 2: Apply number operations with real numbers and other number systems.			
Standard	Curriculum Map (X, I, R, P)	Resources	Actions Needed
1. apply multiplication and division facts through the 12s.			
2. find the product of multi-digit factors.			
3. find the quotient of two whole numbers.			
4. use the four operations with fractions and decimals.			

Grade 4 Math – Number Sense continued

Indicator 3: Develop conjectures, predictions, or estimations to solve problems and verify or justify the results.

Standard	Curriculum Map (X, I, R, P)	Resources	Actions Needed
1. identify and use the appropriate arithmetic operations in multi-step problem situations.			

Indicator 4: Analyze the concept of value, magnitude, and relative magnitude of real numbers.

1. use a number line to compare numerical value of fractions or mixed numbers.			
2. read, write, order, and compare numbers from .001 to 1,000,000.			
3. associate verbal names, written word names, and the appropriate symbols in mathematical sentences.			